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10/800,582 ROECK, HA	ANG HEH
Notice of Allowability Examiner Art Unit	ANS-UELI
HUYEN D. LE 2615	
The MAILING DATE of this communication appears on the cover sheet with the correspondent All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If no herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal for the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.	ot included d in due course. THIS
1. This communication is responsive to <u>10/19/04</u> .	
2. The allowed claim(s) is/are <u>1-14</u> .	
 3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have been received. 	
Certified copies of the priority documents have been received in Application No	
Copies of the certified copies of the priority documents have been received in this national stage	application from the
International Bureau (PCT Rule 17.2(a)).	
* Certified copies not received:	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying wit noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	th the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDME INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient	
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.	
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date	f
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).	t (not the back) of
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 5. ☐ Notice of Informal Patent Applicat	tion
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 6. ☐ Interview Summary (PTO-413),	
Paper No./Mail Date	
3. ☑ Information Disclosure Statements (PTO/SB/08), 7. ☐ Examiner's Amendment/Commen Paper No./Mail Date 11/03/04) τ
4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. ☒ Examiner's Statement of Reasons of Biological Material	s for Allowance
9. 🗌 Other	
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Application/Control Number: 10/800,582

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

None of prior art teaches an apparatus and a method for suppressing feedback between an acoustic output of an electrical/acoustical output converter arrangement and an acoustic input of an acoustical/electrical input converter arrangement of a hearing device, as specifically claimed in claims 1 and 12, wherein the method comprises the steps of converting acoustic signals impinging on the input converter arrangement into a first electric signal by a controllably variable transfer characteristic, which is dependent on an angle at which the acoustic signals impinge on the input converter arrangement; processing the first electric signal and applying a resulting signal to the output converter arrangement, and compensating the feedback to be suppressed by a feedback compensating signal, which is generated in dependency of the resulting signal and is fed back by a feedback signal path upstream the processing, and wherein the method further comprises the feedback compensating signal that is fed back to and superimposed upon the first electric signal, and adaptation rate of the converting to variations of the transfer characteristics that is controlled in dependency of the loop gain along the feedback signal path.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kates (U.S. patent 6,498,858) teaches the apparatus and methods for canceling feedback in audio systems.

Williamson et al. (U.S. patent 5,091,952) teach feedback suppression in digital signal processing hearing aids.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUYEN D. LE whose telephone number is (571) 272-7502. The examiner can normally be reached on 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, SINH TRAN can be reached on (571) 272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HL

September 11, 2007

PRIMARY EXAMINER